



FORM PTO-1449 (Modified)  
U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use several sheets if necessary)

Atty Docket No.: P03002US1A; 295620-214153

(37 CFR 1.98(b))

Serial No.: 10/791,049

Applicant(s): Wang et al.

Filed: March 2, 2004

Group: 1711

**U.S. PATENT DOCUMENTS**

Exam. Init.	Publication/ Patent Number	Publication/ Issue Date	Patentee	Class	Subclass	Filing Date
2004/	0 0 3 3 3 0 0	02/19/2004	Dubertret et al.			
	4 0 0 2 0 5 2	07/22/1986	Weber et al.			
	0 5 3 0 0 0 2	06/25/1996	Takekoshi et al.			
	0 3 0 3 5 0 0	05/07/2002	Woolley et al.			
	6 9 0 8 9 5 8	06/21/2005	Manyama et al.			

**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

Exam. Init.	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
						Yes No

**OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant pages, Place of Publication\*\*\*)**

	Bahadur, Pratap, "Block copolymers- Their microdomain formation (in solid state) and surfactant behaviour (in solution)", Current Science, Vol. 80, No. 8, pp. 1002-1007, April 25, 2001.
	Guo, Andrew et al., "Star Polymers and Nanospheres from Cross-Linkable Diblock Copolymers", Macromolecules, Vol. 29, pp. 2487-2493, January 17, 1996.
	Ishizu, Koji et al., "Core-Shell Type Polymer Microspheres Prepared from Block Copolymers", Journal of Polymer Science: Part C: Polymer Letters, Vol. 26, pp. 281-286, 1988.
	Ishizu, Koji, "Synthesis and Structural Ordering of Core-Shell Polymer Microspheres", Prog. Polym. Sci., Vol. 23, pp. 1383-1408, 1998.
	O'Reilly, Rachel K. et al., "Cross-linked block copolymer micelles: functional nanostructures of great potential and versatility", Chem. Soc. Rev., Vol. 35, pp. 1068-1083, October 2, 2006.
	Oranli, Levent et al., "Hydrodynamic studies on micellar solutions of styrene-butadiene block copolymers in selective solvents", Can. J. Chem., Vol. 63, pp. 2691-2696, 1985.
	Pispas, S. et al., "Effect of Architecture on the Micellization Properties of Block Copolymers: A <sub>3</sub> B Miktoarm Stars vs AB Diblocks", Macromolecules, Vol. 33, pp. 1741-1746, February 17, 2000.
	Riess, Gerard, "Micellization of block copolymers", Prog. Polym. Sci., Vol. 28, pp. 1107-1170, January 16, 2003.
	Saito, Reiko et al., "Synthesis of microspheres with 'hairy-ball' structures from poly (styrene-b-2-vinyl pyridine) diblock copolymers", Polymer, Vol. 33, No. 5, pp. 1073-1077, 1992.
	Thurmond, K. Bruce et al., "Shell cross-linked polymer micelles: stabilized assemblies with great versatility and potential", Colloids and Surfaces B: Biointerfaces, Vol. 16, pp. 45-54, 1999.
	Wilson, D.J. et al., "Photochemical Stabilization of Block Copolymer Micelles", Eur. Polym. J., Vol. 24, No. 7, pp. 617-621, 1988.
	Ege, Seyhan, Organic Chemistry Structure and Reactivity, 3rd Edition, pg. 959, 1994
	October 20, 2005 Office Action from U.S. Patent Application No. 11/104759 filed April 13, 2005 (12 pp.)
	August 21, 2006 Final Office Action from U.S. Patent Application No. 11/104759 filed April 13, 2005 (14 pp.)
	December 22, 2006 Advisory Action from U.S. Patent Application No. 11/104759 filed April 13, 2005 (3 pp.)
	May 16, 2007 Office Action from U.S. Patent Application No. 11/104759 filed April 13, 2005 (9 pp.)
	October 30, 2007 Final Office Action from U.S. Patent Application No. 11/104759 filed April 13, 2005 (11 pp.)

Examiner /Oiga Asinovsky/

Date Considered 05/17/2008

**EXAMINER:** Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /O.A./